CIVIL QUALITY CONSULTANTS & ENGINEERS

(Buildings Geo-Tech & Highway Materials Testing Laboratory)
An ISO 9001: 2008 Certified Company

JAS-ANZ
ISO 9001:2000 CERTIFIED

Job No.: CQCE/BBMP/KRIDL/W.No.16/2017-18

Date: 12.03.2018

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Technical Manager,** KRIDL, Bangalore.
NAME OF THE WORK	:	Providing Drinking water facilities in Ramabhovi Colony, Khatha Nagar and surrounding areas in Ward No.16 Jalahalli, BBMP, Bangalore.
SAMPLE ID	:	Cement
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the cement sample are as follows:

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 12269-1987
1	a) Initial Setting Time	IS-4031 (Part -5)	130 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5)	370 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	28.50 %	-

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 15days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Office & Laboratory : # 111, Bhuvaneshwarinagar, Dodda Basti Main Road, Bangalore - 560 056.
e-mail:civilqualityconsultants@gmail.com Ph: 080-23240644 / Mob: 8553518550

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Job No: CQCE/BBMP/KRIDL/W.No.16/2017-18 Date : 12.03.2018

TEST REPORT ON FINE AGGREGATES (SAND)
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Technical Manager,** KRIDL, Bangalore.

Name of Work : Providing Drinking water facilities in Ramabhovi Colony, Khatha Nagar and surrounding areas in Ward No.16 Jalahalli, BBMP, Bangalore.

Date of Testing : 12.03.2018

Material : Sand Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	62	6.20	6.20	93.8	90-100
2.36	95	9.50	15.70	84.3	75-100
1.18	153	15.30	31.00	69.0	55-90
600 Micron	172	17.20	48.20	51.8	35-59
300 Micron	259	25.90	74.10	25.9	8-30
150 Micron	198	19.80	93.90	6.1	0-10

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CQCE/BBMP/KRIDL/W No:16/2017-18 Date : 12.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore

Agency : **Technical Manager,** KRIDL, Bangalore

Name of Work : Providing Drinking water facilities in Ramakkhowri Colony, Khoday Nagar and surrounding areas in Ward No.16 Jalahalli, BBMP, Bangalore.

Date of Testing : 12.03.2018

Material : 40mm Aggregates

Total Wt. of Aggregates in gms : 15000

Is Sieve Size in mm	Weight Retained (gms)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
80	0	0	0	100	100
40	298	1.99	1.99	98.01	95-100
20	7443	49.62	51.61	48.39	30-70
10	3251	21.67	73.28	26.72	10-35
4.75	3098	20.65	93.93	6.07	0-5

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Job No. CQCE/BBMP/KRIDL/W.No.16/2017-18

Date : 12.03.2018

TEST REPORT ON COARSE AGGREGATES
IS 383-1970 (RA- 2002)

Client : **Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.

Agency : **Technical Manager,** KRIDL, Bangalore.

Name of Work : Providing Drinking water facilities in Ramabhovi Colony, Khatha Nagar and surrounding areas in Ward No.16 Jalahalli, BBMP, Bangalore.

Date of Testing : 12.03.2018

Material : 20mm Aggregates

Total Wt. of Aggregates in gms= 5000

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits
40	0	0	0	100	100
20	171	3.4	3.4	96.6	95-100
10	3264	65.3	68.7	31.3	25-55
4.75	1325	26.5	95.2	4.8	0-10

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Job No: CQCE/BBMP/KRIDL/W.No.16/2017-18

Date: 13.03.2018

TEST REPORT

CLIENT	:	**Executive Engineer,** Rajarajeshwari Nagara Division, BBMP, Bangalore.
AGENCY	:	**Technical Manager,** KRIDL, Bangalore.
NAME OF THE WORK	:	Providing Drinking water facilities in Ramabhovi Colony, Khatha Nagar and surrounding areas in Ward No.16 Jalahalli, BBMP, Bangalore.
SAMPLE ID	:	Bricks Test – Class 7.5 (Machine moulded)
SAMPLES SUPPLIED BY	:	AGENCY

The results of the tests conducted on the samples are as follows:

Sl. No	Description	Test method as per IS Codes	Result	Requirement as per IS 1077-1992 (Rev-5)
1	Compressive Strength Of Bricks	IS 3495-1992 (Part-1)	8.49 N/mm^2	Class designation 7.5
2	Water Absorption of Bricks	IS 3495-1992 (Part – 2)	15.27 %	Not more than 20 %
3	Efflorescence of Bricks	IS 3495-1992 (Part – 3)	Moderate	Up to 12.5 Class
4	Dimensional Analysis of Bricks (minimum Sampling is 20 Nos.)	IS 1077-1992 (Rev – 5)		
(a)	Measurement of Length in mm		3820 mm	(3800 ± 80 mm)
(b)	Measurement of Width in mm		1815 mm	(1800 ± 40 mm)
(c)	Measurement of Height in mm		1405 mm	(1400 ± 40 mm)

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